PROGRAM CODE

```c
#include <stdio.h>
#include <stdlib.h>
#define MAX 50

int files[MAX];
struct indarr
{

        int fname;
        int arr[MAX];
}p[MAX];

void main()
{
        for(int i=0;i<MAX;i++)
                files[i]=0;

        int flen,ibk;
        int fnam,temp,ch;
        new:
        printf("Enter File Name = ");
        scanf("%d",&fnam);

        printf("Enter the file length = ");
        scanf("%d",&flen);
        x:
        printf("Enter the index block = ");
        scanf("%d",&ibk);

        if(files[ibk]==1)
        {
                printf("Index Block Occupied\n");
                goto x;
        }
        else
        {
                files[ibk]=1;
        }

        for(int i=0;i<flen;i++)
        {
                y:
                printf("Enter the (%dth/%d) Block = ",i+1,flen);
                scanf("%d",&temp);
                if(files[temp]==1)
                {
                        printf("Block(%d) Occupied\n",temp);
                        goto y;
                }
                else
```

```
                {
                        p[ibk].fname=fnam;
                        p[ibk].arr[i]=temp;
                        files[temp]=1;
                }
        }
        printf("FILE :- %d\tIndex Block :- %d\t",p[ibk].fname,ibk);
        printf("Block :- ");
        for(int i=0;i<flen;i++)
        {
                printf("%d ",p[ibk].arr[i]);
        }

        printf("\nDo want to continue ? [no0/yes1] = ");
        scanf("%d",&ch);
        if(ch)
                goto new;
        else
                exit(0);

}
```

OUTPUT